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PATENT
Attorney Docket No.: 020444-000710US

On September 26, 2003

TOWNSEND and TOWNSEND and CREW LLP

By: Kathryn A. Deglianton

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

LUKE V. SCHNEIDER, et al.

Application No.: 10/035,349

Filed: October 19, 2001

For: MASS DEFECT LABELING FOR
THE DETERMINATION OF
OLIGOMER SEQUENCES

Group Director: 1634

Examiner: Chakrabarti, Arun K.

Art Unit: 1634

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed.

Also enclosed is a copy of the Search/Examination report corresponding to the PCT application. The Examination Report cites published patent application No. US 2002/01686642 A1 for Drukier. However, patent application No. US 2002/01686642 A1 is obviously a typographical error because the publication date, filing date, and priority date correspond to Drukier, No. US 2002/0168642 A1 (copy enclosed).

10/01/2003 55254E1 00000150 201430 10035349

01 FC:1806 180.00 DA

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

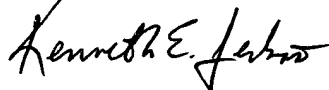
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CERTIFICATION

I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

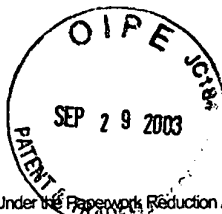
Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



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60022279 v1



PTO/SB/08B (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/035,349		
		Filing Date	October 19, 2001		
		First Named Inventor	Schneider, Luke V., et. al.		
		Art Unit	1634		
		Examiner Name	Chakrabarti, Arun K.		
Page	3	of	3	Attorney Docket Number	020444-000710US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	2002/0168842 A1	11-14-2002	Drukier	
	AB	5,625,184	04-29-1997	Vestal et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)			

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AC	HOBBA et al., "The insulin-like growth factor (IGF) binding site of bovine insulin-like growth factor binding protein-2 (bIGFBP-2) probed by iodination" J. Biol. Chem. 271(48):30529-30536 (11/29/1996)	
	AD	THOMSSON et al., "Sequencing of sulfated oligosaccharides from mucins by liquid chromatography and electrospray ionization tandem mass spectrometry" Anal. Chem. 72(19):4543-4549 (10/01/2000)	

Examiner Signature		Date Considered	
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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
² Applicant's unique citation designation number (optional). ³ Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet **3** of **6**

Complete if Known

Applicant Number	10/035,349
Filing Date	October 19, 2001
First Named Inventor	Schneider, Luke V., et. al.
Art Unit	1645
Examiner Name	Not yet assigned
Attorney Docket Number	020444-000710US

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-6,194,144 B1	02/27/01	Koster	
	AB	US-6,027,890-	02/22/00	Ness et al.	
	AC	US-5,667,984	09/16/97	Parekh et al.	
	AD	US-4,830,010	05/16/89	Marshall	
	AE	US-5,386,832	02/07/95	Wagner et al.	
	AF	US-6,379,971	04-2002	Schneider et al.	
	AG	US-6,335,525	01-2002	Takada et al.	
	AH	US-6,329,146	12-2001	Crooke et al.	
	AI	US-6,277,644	08-2001	Farnsworth et al.	
	AJ	US-5,470,753	11-1995	Sepetov et al.	
	AK	US-5,538,897	07-1996	Yates, III et al.	
	AL	US-5,827,659	10-1998	Patterson	
	AM	US-5,919,709	07-1999	Parmelee et al.	
	AN	US-6,004,770	12-1999	Nelson	
	AO	US-6,017,693	01-2000	Yates, III et al.	
	AP	US-4,842,701	06/27/89	Smith et al.	
	AQ	US-4,994,165	02/19/91	Lee et al.	
	AR	US-5,306,412	04/26/94	Whitehouse et al.	
	AS	US-5,505,832	04/09/96	Laukien et al.	
	AT	US-5,856,082	01/05/99	Aebersold et al.	
	AU	US-5,872,010	02/16/99	Karger et al.	
	AV	US-5,174,962	12/29/92	Brennan	
	AW	US-6,359,111	03/19/02	Meyer et al.	
	AX	US-6,391,649	05/21/02	Chait et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	AY	PCT	WO 02/061661	A2	08/08/02	Schneider et al.		<input type="checkbox"/>
	AZ	PCT	WO 96/33406	A1	10/24/96	Minden et al.		<input type="checkbox"/>
	BA	PCT	WO 00/11208	A1	03/02/00	Aebersold et al.		<input type="checkbox"/>
	BB	PCT	WO 99/32501	A1	07/01/99	Schmidt et al.		<input type="checkbox"/>

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Signature

Date
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **4** of **6**

Complete if Known

Application Number	10/035,349
Filing Date	October 19, 2001
First Named Inventor	Schneider, Luke V., et. al.
Art Unit	1645
Examiner Name	Not yet assigned
Attorney Docket Number	020444-000710US

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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	BC	Yates, J.R., <i>Anal. Biochem.</i> , 214:397-408 (1993)	
	BD	Scholz, E., <i>J Capillary Electrophor.</i> , 4:287-292 (1997)	
	BE	Biemann, K., <i>Methods Enzymol.</i> , 193:455-79 (1990)	
	BF	Schnoelzer, M., <i>Electrophoresis</i> , 17:945-953 (1996)	
	BG	Zaia, J., <i>J. Am. Soc. Mass Spectrom.</i> , 6:428-36 (1995)	
	BH	Stults, J.T., <i>Anal. Chem.</i> , 65:1702-1708 (1993)	
	BI	Zaia, J., <i>Methods Mol. Biol.</i> , 61:29-41 (1996)	
	BJ	Huehmer, A.F.R., <i>Anal. Chem.</i> , 69:29R-57R (1997)	
	BK	Rose, K., <i>Biochem. J.</i> , 250:253-259 (1988)	
	BL	Shevchenko, A., <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 93:14440-14445 (1996)	
	BM	Clauser, K.R., <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 92:5072-5076 (1995)	
	BN	Li, G., <i>Electrophoresis</i> , 18:391-402 (1997)	

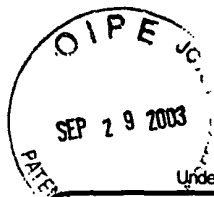
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Application Number		10/035,349	
Filing Date		October 19, 2001	
First Named Inventor		Schneider, Luke V., et. al.	
Art Unit		1645	
Examiner Name		Not yet assigned	
Attorney Docket Number		020444-000710US	
Sheet	5	of	6

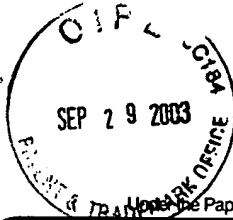
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)		
	BO		Murphy, C.M., <i>Anal. Chem.</i> , 67:1644-1645 (1995)			
	BP		Johnson, R. S. et al., <i>International Journal of Mass Spectrom and Ion Process</i> , 86:137-154 (1998)			
	BQ		Vath, J.E. et al., <i>Fresenius Z Anal. Chem.</i> , 331:248-252 (1998)			
	BR		Wagner, D.S. et al., <i>Biol. Mass Spectrom.</i> , 20:419-425 (1991)			
	BS		Huang, Z.-H. et al., <i>Anal. Biochem.</i> , 266:305-317 (1999)			
	BT		Tomer, K.B. et al., <i>J. Am. Chem. Soc.</i> , 105:5487-5488 (1983)			
	BU		Bures, E.J. et al., <i>Anal. Biochem.</i> , 224:364-372 (1995)			
	BV		Aebersold, R. et al., <i>Protein Science</i> , pp. 494-503 (Cambridge University Press (1992)			
	BW		Provisional Patent Application No. 60/415,481, filed 10/01/02			
	BX		Patent Application Serial No. 10/068,359, filed 02/06/02, entitled: METHOD FOR SEQUENCE PROTEINS			
	BY		Patent Application Serial No. 10/035,349, filed 10/19/01, entitled: MASS DEFECT LABELING FOR THE DETERMINATION OF OLIGOMER SEQUENCES			
	BZ		Provisional Patent Application No. 60/242,165, filed 05/07/01			
	CA		Patent Application Serial No. 09/513,907, filed 02/25/00, entitled: POLYPEPTIDE FINGERPRINTING METHODS AND BIOINFORMATICS DATA BASE SYSTEM			
	CB		Patent Application Serial No. 09/551,937, filed 04/19/00, entitled: LABELING OF PROTEIN SAMPLES			

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet **6** of **6****Complete if Known**

Application Number	10/035,349
Filing Date	October 19, 2001
First Named Inventor	Schneider, Luke V., et. al.
Art Unit	1645
Examiner Name	Not yet assigned
Attorney Docket Number	020444-000710US

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	CC	Provisional Patent Application No. 60/242,398						
	CD	Li, G. et al., "Improvement on sample handling for rapid mass spectrometric Identification of proteasns resolved by 2D gel electrophoresis". Book of Abstracts, 213th ACS National Meeting, San Francisco, 13-17, Anal. 92 (April 1997)						
	CE	Mann and Wilm, "Error-Tolerant Identification of Peptides in Sequence Databases by Peptide Sequence Tags", <i>Anal. Chem.</i> , 66(24) 4390-4399 (December 15, 1994)						
	CF	Jensen et al., "Sequence patterns produced by incomplete enzymatic digestion or one-step Edman degradation of peptide mixtures as probes for protein database searches", <i>Electrophoresis</i> , 17:938-944 (1996)						
	CG	Wilkins et al., "Protein identification with sequence tags:, <i>Current Biology</i> , 6(12):1543-1544 (1996)						
	CH	Wilkins et al., "Rapid Protein Identification Using N-Terminal 'Sequence Tag' and Amino Acid Analysis", <i>Biochemical and Biophysical Research Communications</i> , 221:609-613 (1996) Article No. 0643						
	CI	Wilkins et al. "Protein Identification with N and C-Terminal Sequence Tags in Proteome Projects:, <i>J. Mol. Boil.</i> , 278:599-608 (1998)						
	CJ							
	CK							
	CL							

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